LinTRAK® C10-MRI

HID Global's LinTRAK® ultra-high frequency RAIN® (UHF) radio-frequency identification (RFID) tags have been specifically designed to identify linen and textile products; due to their shape, durability and ease of fixation, they meet the tracking requirements of the laundry industry. They withstand the rigors of repeated washings, including exposure to water, cleaning chemicals, sterilizing heat, and water extraction pressure. The patented design securely positions the inner chip relative to the antenna, which guarantees consistent performance over the life of the tag.

LinTRAK tags are compliant with EPC global UHF Class 1 Gen 2 and ISO 18000-63 RAIN® RFID standards. This means that they are encoded with a unique EPC code, following GS1 standards (SGTIN96 format) which can be re-programmed to be compatible with any operating platform, in accordance with privacy laws. Custom encoding services are provided.

LinTRAK® C10-MRI measures just 10 x 66 mm. Discreet and un-obtrusive, it can be seamlessly inserted into the hems of textile items to enable fast identification and automated counts, individually or in bulk quantity. It can be used in the hospitality industry but also in medical environments with MRI (magnetic resonance imaging) equipment.

UHF TAGS F OR TEXTILE SERVICES

- Specifically designed to identify linen products
- Resistant to harsh laundry processes
- The smallest LinTRAK tag in width
- MR-conditional RFID tag

KEY TECHNOLOGY HIGHLIGHTS:

- RAIN RFID EPC Class 1 Gen 2 and ISO 18000-63
- High water, chemical, heat and pressure resistance
- Guaranteed to withstand 200 commercial washing cycles or 3 years
- OEKO-TEX® Standard 100 Level 1 certified
- MR conditional for use in medical environments
- MR conditional tags are undetectable by needle detector machines and validated by the world's most experienced MR-safety testing company (MRSTS) at 1.5 and 3.0 Tesla, which is the highest rating that can be applied for an RFID device. This means that a patient with this device (integrated to linen or gown) can be scanned safely in an MR system.

Base Model Number	TLR6PE06 (standard version) TLR6PE06M (laser-marked version)

ELECTRONIC

Operating Frequency	860-960 MHz (worldwide)
Chip Type	Monza R6-P
Memory	96 bits EPC (up to 128 bits)
Reading distance (2W reader ERP, free space)	Up to 16 ft (5 m)

PHYSICAL

Dimensions (Length +/- 3 mm Height +/- 1 mm)	2.6 × 0.4 in (66 × 10 mm)
Thickness	0.082 in (2.1 mm) on chip location only; rest of tag is <0.03 in (0,8 mm)
Mounting Method	Sewn into hem or pouch
Material	UHF module: encapsulated chip, epoxy / Antenna: multithreads, stiched, stainless steel / Fabric label: woven polyester
Color	White

WASHING

Max Temperature	428°F (220°C) / 30 seconds
Exposure	2,5 bars (36,25 PSI)
Tunnel Washer	194°F (90°C) / 15 minutes
Pre-Drying in Tumbler	320° F (160° C) / 30 minutes
Tunnel Finisher	365° F (185° C) / 30 minutes
Sterilization Process	273°F (134°C) / 20 minutes
Water Extractor Press	60 bars (performance level measured and guaranteed in HID's laundry tests and conditions)
Chemical Resistance	All standard chemicals used in laundry process

OTHER

Standards	UHF EPC Class 1 Gen 2, ISO 18000-63
Certifications	OEKO-TEX® Standard 100 Level 1 MR-Conditional
Box Size	200 pcs.
Personalization	Unique EPC code (unlocked). Custom EPC range & locking on request. Laser- marked with TID. Can be encoded.
Options	Can also be sold inside a white fabric pouch. Contact us for our pouch specifications.
Waranty	200 washing cycles or 3 years

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